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TITLE : MANUFACTURE OF SEAL RING OF FLOATING SEAL

ABSTRACT : PURPOSE: To manufacture a seal ring with superior wear resistance at a low cost by highly carburizing the surface of a seal ring made of martensitic stainless steel.

CONSTITUTION: The seal ring of a floating seal to be attached to the track of a construction machine requires superior resistance to wear due to earth and sand, so the seal ring is made of martensitic stainless steel. The ring is put in a vacuum carburizing furnace, where it is highly carburized to precipitate fine carbides with extremely high hardness such as Cr_7C_3 on the surface of the ring, and the seal face (sliding face) is lapped. A seal ring with superior wear resistance is obtd. at a low cost.

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